

# MWPS-72630

## Portable Farrowing Houses

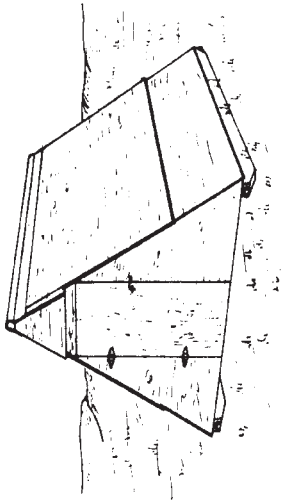
### **CAUTION!**

Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access. **Furthermore, any deviation from the given specifications may result in structural failure, property damage, and personal injury including loss of life.**

### **WARRANTY DISCLAIMER**

This plan provides conceptual information only. **Neither midwest plan service nor any of the cooperating land-grant universities, or their respective agents or employees, have made, and do not hereby make, any representation, warranty or covenant with respect to the specifications in this plan.** Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access.

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Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
Portable Farrowing House
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See "Swine Equipment Plans" at your County Extension Office for additional planning information and for working drawings of accessory equipment.

### GENERAL NOTES

#### JOINTS

Nail joists and blocking to skids with 12d nails. Glue and nail flooring to joists and blocking. Glue and nail sill through flooring to blocking with 16d nails.

Toe nail studs and endwall rafters. Fasten intermediate rafters with metal framing anchors. Glue and nail siding and roof sheathing to all framing to assure stiffness and long building life.

#### Materials specifications

Skids: Pressure preservative treated.

Plywood:

Roof:  $\frac{3}{8}$ " CC grade, exterior type.

Walls:  $\frac{3}{8}$ " CC grade, exterior type.

Floor:  $\frac{3}{8}$ " CC grade, exterior type.

Lumber:

Plank floor: 2" pressure preservative treated.

Framing: Construction Douglas Fir, No. 1 Dimension Southern Pine, or equivalent. Air or kiln dried to below 15% maximum moisture content

Nails: Hardened steel threaded nails are recommended for framing.  
Use 6d box or galvanized nails  $4\frac{1}{2}$ " o.c. to glue-nail plywood to framing.  
Use 2d ring shank nails to glue-nail plywood to 1" door framing.

Gluing: Buy a Resorcinol Resin glue that meets Military Specification MIL-A-46051.

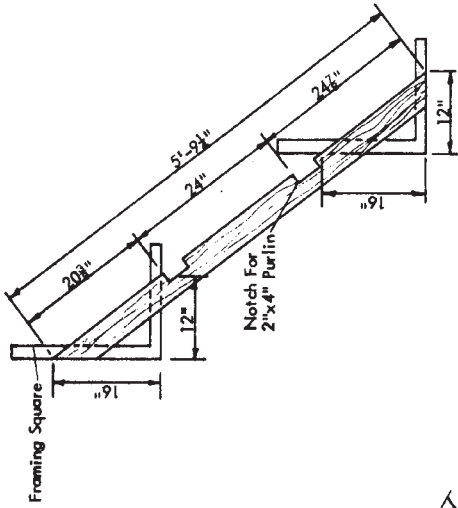
Manufacturer's mixing instructions, pot life (the length of time the glue stays usable after mixing), temperature during use, etc., must all be followed closely. Apply a liberal amount of glue with a brush, stick or paint roller to the framing members.

When plywood is nailed on, some glue should ooze out from around the joint. If it doesn't you aren't using enough glue. Never skimp on the use of a glue; the cost of the glue is a minor item in the total cost of construction.

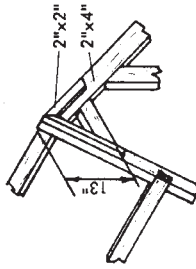
Leave joints undisturbed for at least 24 hours.

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PORTABLE HOUSES	
FARROWING HOUSES	
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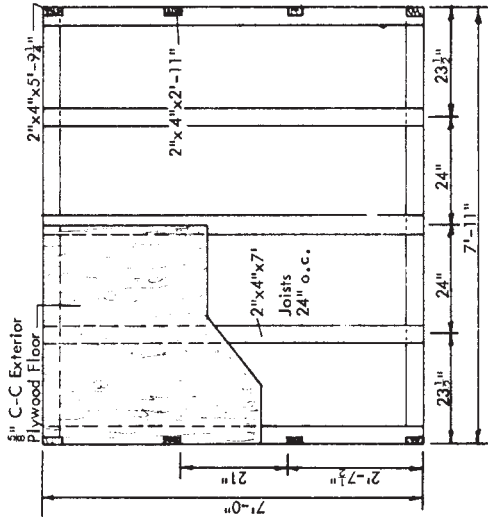
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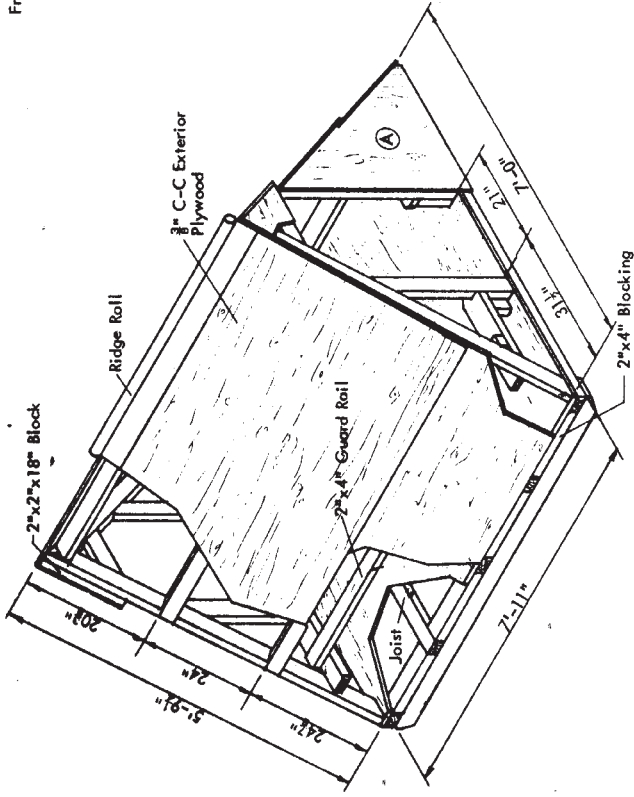
RAFTER - CUTTING DETAIL



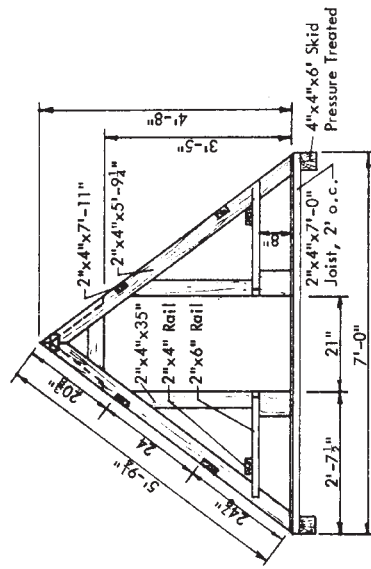
VENTILATOR DETAIL



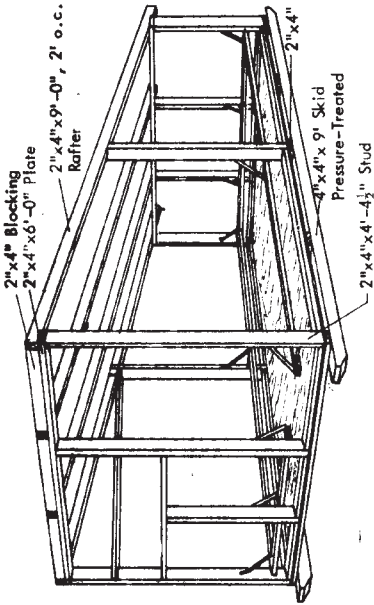
PLAN



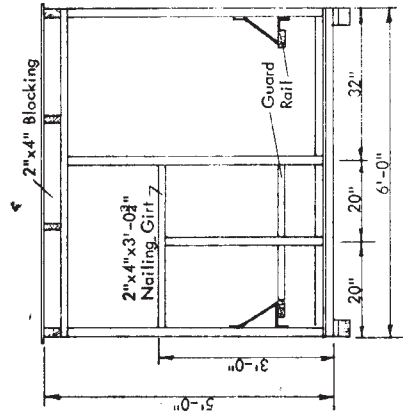
CONSTRUCTION DETAIL



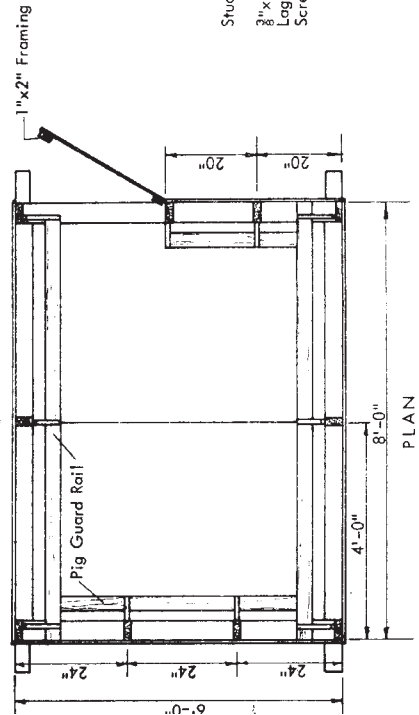
SECTION



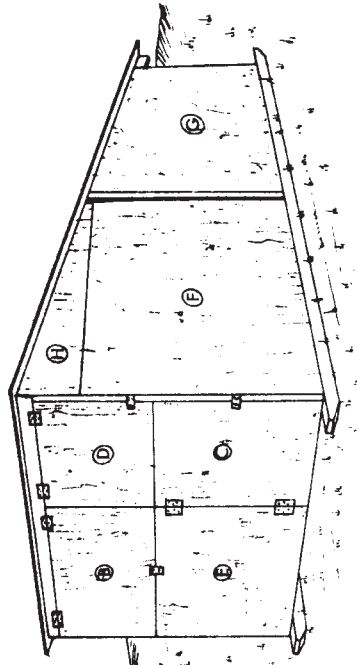
CONSTRUCTION DETAIL



FRONT FRAMING

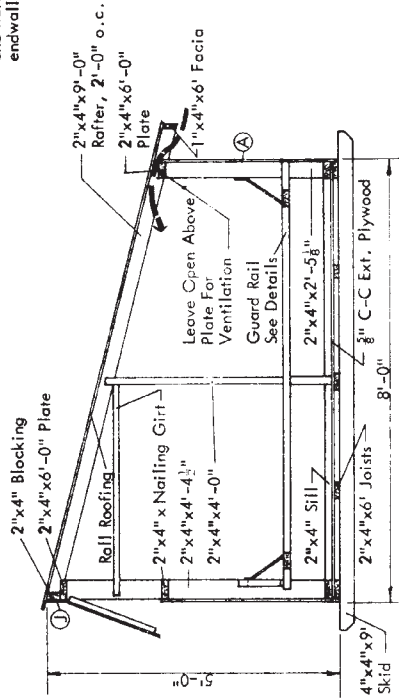


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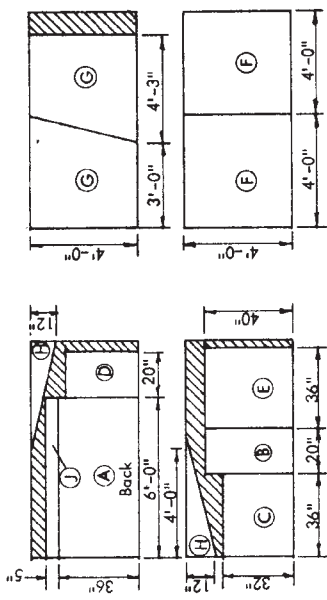


FRONT PLATE DETAIL

Nail  $\frac{3}{8}$ " plywood flooring to skids with 6d nails. Lay out front and back wall framing on floor. Glue and nail siding to framing. Erect wall sections. Glue and nail  $\frac{3}{8}$ " 4'x8' endwall sheet to flooring and front and backwall studs. Fit endwall rafters -- glue and nail endwall siding.

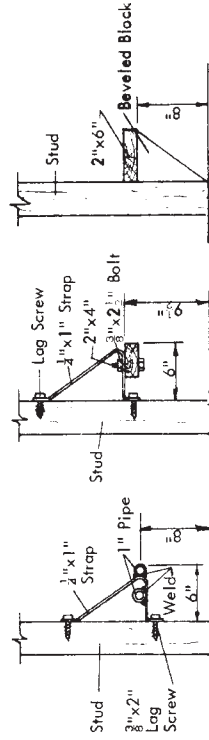


SECTION



PLYWOOD CUTTING DIAGRAM  
 $\frac{3}{8}$ " 4'x8' C-C Exterior Plywood

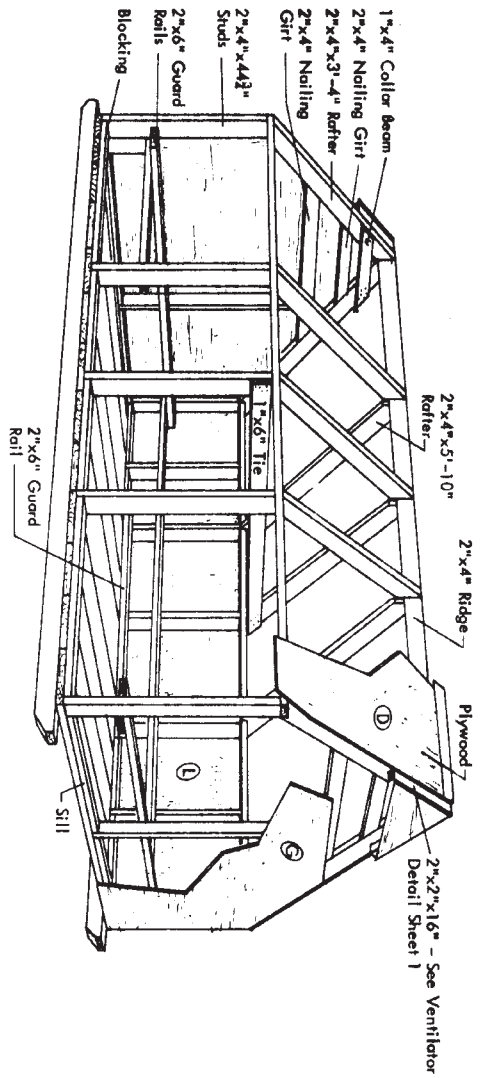
ADDITIONAL PLYWOOD D:  
ROOF: 2 -  $\frac{3}{8}$ " 4'x6' C-C Exterior Plywood  
FLOOR: 2 -  $\frac{3}{8}$ " 4'x6' C-C Exterior Plywood



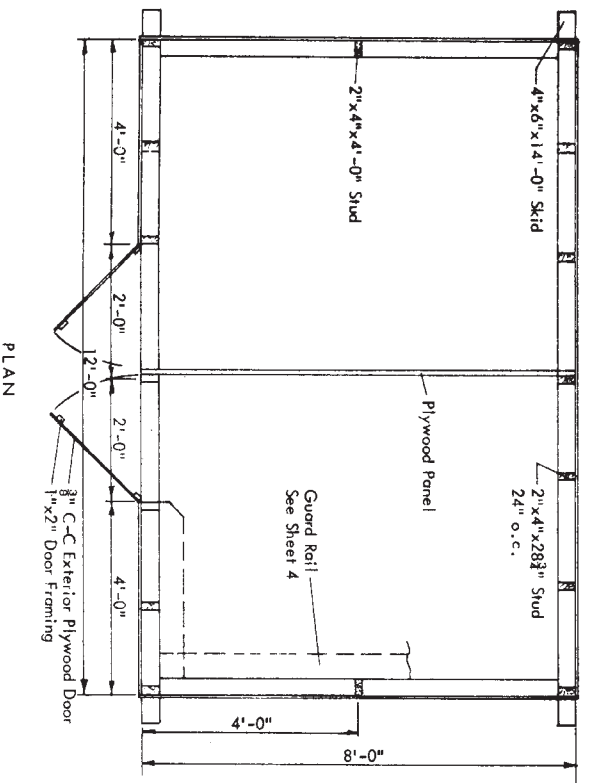
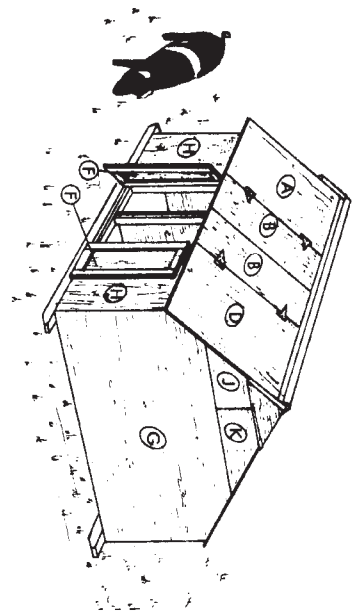
GUARD RAILS  
BRACKETS 4' o.c.

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<b>PORTABLE FARROWING HOUSES</b>
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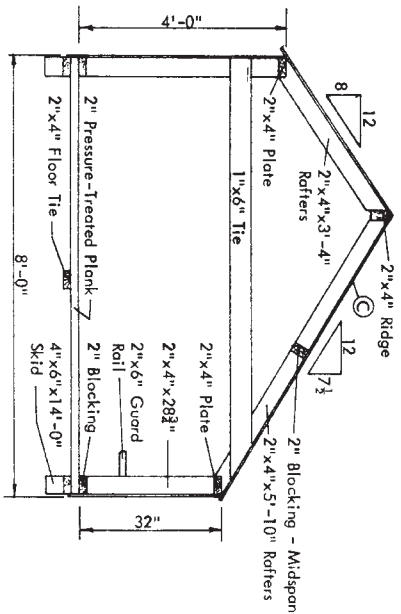
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CONSTRUCTION DETAIL



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**PORABLE  
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